

## CLAIMS

What is claimed is:

1. 1. A method for describing a network comprising:
  2. categorizing a subnet into a subnet grouping, wherein subnets within a subnet grouping can route to one another;
  4. providing a subnet subsection for the subnet within the categorized subnet grouping;
  5. and
  6. specifying a network topology type section in the provided subnet subsection.
1. 2. The method of claim 1, wherein specifying the network topology type section for the established subnet subsection comprises:
  3. specifying that the subnet is to be supported by a topology that is compliant with the IEEE 802.3 standard.
1. 3. The method of claim 1, wherein specifying the network topology type section for the established subnet subsection comprises:
  3. specifying that the subnet is to be supported by a topology that is compliant with the IEEE 802.11a standard.
1. 4. The method of claim 1, wherein specifying the network topology type section for the established subnet subsection comprises:
  3. specifying that the subnet is to be supported by a topology that is compliant with the IEEE 802.11b standard.
1. 5. The method of claim 1, further comprising:
  2. providing a list of nodes, the list including at least one node.

1       6.     The method of claim 5, wherein providing the list of nodes further comprises  
2     providing a starting position on the network for the listed node.

1       7.     The method of claim 5, wherein providing the list of nodes comprises providing the  
2     list of nodes within the specified network topology type subsection.

1       8.     The method of claim 1, wherein categorizing the subnet into a subnet grouping  
2     comprises categorizing the subnet into an internal subnet grouping or an external subnet  
3     grouping.

1       9.     The method of claim 8, wherein categorizing the subnet into the internal subnet  
2     grouping or the external subnet grouping comprises:

3              placing the subnet in the external subnet grouping, if the subnet is associated with an  
4     external interface of a Virtual Private Network (VPN); and

5              placing the subnet in the internal subnet grouping, if subnet is associated with an  
6     internal interface of the VPN.

1       10.    The method of claim 8, wherein categorizing the subnet into the internal subnet  
2     grouping or the external subnet grouping comprises:

3              placing the subnet in the external subnet grouping, if the subnet is to be associated  
4     with a non-secure interface of a firewall; and

5              placing the subnet in the internal subnet grouping, if the subnet is to be associated  
6     with a non-secure interface of a firewall.

1       11.    A network comprising:  
2              a first network component to receive a request for a network configuration; and

3           a second network component in electrical communication with the first network  
4           component to provide the request for the network configuration, the second network  
5           component having a processor and logic executable thereon to  
6                 categorize a subnet into a subnet grouping, wherein subnets within a subnet  
7           grouping can route to one another  
8                 provide a subnet subsection for the subnet within the categorized subnet  
9           grouping; and  
10               specify a network topology type subsection in the provided subnet subsection.

- 1       12.      The network of claim 11, wherein the second network component having the  
2           processor and logic executable thereon further comprises logic executable thereon to:  
3                 provide a list of nodes, the list including at least one node.
- 1       13.      The network of claim 12, wherein to provide the list of nodes comprises to provide  
2           the list of nodes within the specified network topology type subsection.
- 1       14.      The network of claim 11, wherein the first network component is a Dynamic Host  
2           configuration Protocol (DHCP) server.
- 1       15.      The network of claim 11, wherein the second network component is a control node.

- 1       16.      An article of manufacture comprising:  
2                 an electronically accessible medium providing instructions that, when executed by an  
3           apparatus, cause the apparatus to  
4                 categorize a subnet into a subnet grouping, wherein subnets within a subnet grouping  
5           can route to one another;

6 provide a subnet subsection for the subnet within the categorized subnet grouping;

7 and

8 specify a network topology type subsection in the provided subnet subsection.

1 17. The article of manufacture of claim 16, wherein the electronically accessible medium  
2 further provides instructions that, when executed by an apparatus, cause the apparatus to:  
3 provide a list of nodes, the list to include at least one node.

1 18. The article of manufacture of claim 17, wherein the electronically accessible medium  
2 providing instructions that, when executed by the apparatus, cause the apparatus to provide a  
3 list of nodes cause the apparatus to provide the list of nodes within the specified network  
4 topology type subsection.

1 19. The article of manufacture of claim 17, wherein the electronically accessible medium  
2 providing instructions that, when executed by the apparatus, cause the apparatus to provide  
3 the list of nodes, the list to include at least one node, cause the apparatus to provide a start  
4 position on the network for the listed node.

1 20. The article of manufacture of claim 17, wherein the electronically accessible medium  
2 providing instructions that, when executed by the apparatus, cause the apparatus to categorize  
3 the subnet into a subnet grouping, cause the apparatus to categorize the subnet into an  
4 internal subnet grouping or an external subnet grouping.

1 21. The article of manufacture of claim 16, wherein the electronically accessible medium  
2 providing instructions that, when executed by the apparatus, cause the apparatus to categorize

3 the subnet into the internal subnet grouping or the external subnet grouping, cause the  
4 apparatus to:

5 place the subnet in the external subnet grouping, if the subnet is associated with an  
6 external interface of a Virtual Private Network (VPN); and

7 place the subnet in the internal subnet grouping, if subnet is associated with an  
8 internal interface of the VPN.

1 22. The article of manufacture of claim 16, wherein the electronically accessible medium  
2 providing instructions that, when executed by the apparatus, cause the apparatus to categorize  
3 the subnet into the internal subnet grouping or the external subnet grouping, cause the  
4 apparatus to:

5 place the subnet in the external subnet grouping, if the subnet is associated with a  
6 non-secure interface of a firewall; and

7 place the subnet in the internal subnet grouping, if the subnet is associated with a  
8 secure interface of a firewall.

1 23. A network comprising:

2 a first network component to receive a description of a configured network; and

3 a second network component in electrical communication with the first network

4 component to provide the description of the configured network, the second network

5 component having a processor and logic executable thereon to

6 categorize a subnet into a subnet grouping, wherein subnets within a subnet  
7 grouping can route to one another;

8 provide a subnet subsection for the subnet within the categorized subnet  
9 grouping;

10 specify a network topology type subsection in the provided subnet subsection;  
11 and  
12 provide a list of nodes within the specified network topology type subsection.

1 24. The network of claim 23, wherein the first network component is a control node.

1 25. The network of claim 23, wherein the second network component is a Dynamic Host  
2 Configuration (DHCP) server.